INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/012788

A. CLASSIFIC	CATION OF SUBJECT MATTER B25J17/00		
According to In	ternational Patent Classification (IPC) or to both nation	nal classification and IPC	
B. FIELDS SE			
Minimum docur Int.Cl	nentation searched (classification system followed by 6 B25J17/00, F16H55/18	classification symbols)	
Documentation :	searched other than minimum documentation to the ex		
Jitsuyo Shinan Koho 1922—1996 Jitsuyo Shinan Toroku Koho Kokai Jitsuyo Shinan Koho 1971—2004 Toroku Jitsuyo Shinan Koho			1996-2004 1994-2004
Electronic data t	pase consulted during the international search (name of	f data base and, where practicable, search to	erms used)
C. DOCUMEN	VTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a		Relevant to claim No.
Y	JP 56-163624 A (Yoji UMETAN 16 December, 1981 (16.12.81) Page 4, upper right column, column; Fig. 5 (Family: none)	,	1,3
Y	JP 2000-153488 A (Fujitsu Li 06 June, 2000 (06.06.00), Par. Nos. [0022] to [0023]; (Family: none)		1,3
Y	JP 2000-97314 A (Kawasaki He Ltd.), 04 April, 2000 (04.04.00), Par. Nos. [0020] to [0022]; (Family: none)	-	3
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" carlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the inte date and not in conflict with the applic the principle or theory underlying the in "X" document of particular relevance; the c	ation but cited to understand nvention laimed invention cannot be
		considered novel or cannot be considered to involve an inventive step when the document is taken alone Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
Date of the actual completion of the international search 29 November, 2004 (29.11.04)		Date of mailing of the international search report 14 December, 2004 (14.12.04)	
	gaddress of the ISA/ e Patent Office	Authorized officer	
Facsimile No.) (second sheet) (January 2004)	Telephone No.	

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/012788

		PCI/UPZ	004/012788	
C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT		W. E.	. ·
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim	No.
A	US 2003/14860 Al (Fuji Machine Mfg. Co., 23 January, 2003 (23.01.03), Full text; all drawings & JP 2003-25266 A	Ltd.),	1-3	
A	JP 63-72969 A (Fujitsu Ltd.), 02 April, 1988 (02.04.88), Full text; all drawings (Family: none)		2,3	
A	US 6408224 B1 (National Aerospace Labora of Science Technology Agency), 18 June, 2002 (18.06.02), Full text; all drawings & JP 2001-138279 A	tory	1-3	
A	Microfilm of the specification and drawing annexed to the request of Japanese Utilit Model Application No. 184276/1981(Laid-op No. 88048/1983) (Honda Motor Co., Ltd.), 15 June, 1983 (15.06.83), Full text; all drawings (Family: none)	ÿ	2,3	
		l		

Form PCT/ISA/210 (continuation of second sheet) (January 2004)